Explosion-proof Filtered Cabinet LX5010EFC

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Description

Explosion-proof Filtered Cabinet LX5010EFC is a safety enclosure designed for hazardous environments with flammable gases, vapors, or dust. It features explosion-safe heating elements for controlled operation and a stainless-steel body. An integrated air filtration system protects personnel and equipment from airborne contaminants. A thermal expansion sealing strip between the door and cabinet body expands at high temperatures 150 - 180°C partially, and at 750°C fully with expansion ratio 1:5 to enhance fire protection.

Specifications

External dimension	600 x 500 x 1600 mm
Door	Double door
Shelf	3 PP Shelves, height adjustable
Filter modules	3 Sets
Display	7- Inch LCD touch screen
Noise	40 dBA
Alarm system	1 Set
Monitor system	1 Set
Power cord	1 Set
Power supply	110 - 220 V, 50 Hz
Packing dimension	700 x 600 x 1750 mm
Gross weight	95 Kg

Features

- Inner and outer surfaces treated with pickling, phosphating, epoxy powder coating, and oven curing
- Equipped with three adjustable corrosion-resistant resin shelves, each featuring 10 mm ventilation slots
- 7-Inch LCD touch screen, microcomputer control system for real-time monitoring
- Equipped with an integrated alarm system
- Supports three filter module types: organic, inorganic, and ammonia filtration
- High-efficiency filtration system compliant with ASTM standards
- 24/7 Clean air recirculation system
- Dual security locking system with mechanical and password-protected electronic lock

Applications

- It is used for safe enclosure of analyzers and instrumentation in Zone 1 and Zone 2 hazardous areas with explosive gases or vapors, such as refineries, chemical and fertilizer plants, oil & gas production and processing facilities, and dust-prone industrial environments. Suitable for instruments and electrical equipment in explosive atmospheres.

Optional Accessories

- Organic filter
- Inorganic filter
- Ammonia filter
- Formaldehyde filter
- HEPA H14 filter

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